

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
2003B064

Total Pages in this Submission

**TO THE ASSISTANT COMMISSIONER FOR PATENTS**

Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

Process for Operating A Quench Device in an Oxygenate-to-Olefin Production Unit

and invented by:

Zhong Y. Ding  
James R. Lattner  
David R. Lumgair, Jr.  
Jeffrey A. Kabin  
Cor van Egmond



If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

Continuation    Divisional    Continuation-in-part (CIP)   of prior application No.: \_\_\_\_\_

Which is a:

Continuation    Divisional    Continuation-in-part (CIP)   of prior application No.: \_\_\_\_\_

Which is a:

Continuation    Divisional    Continuation-in-part (CIP)   of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1.  Filing fee as calculated and transmitted as described below
  
2.  Specification having 47 pages and including the following:
  - a.  Descriptive Title of the Invention
  - b.  Cross References to Related Applications (*if applicable*)
  - c.  Statement Regarding Federally-sponsored Research/Development (*if applicable*)
  - d.  Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e.  Background of the Invention
  - f.  Brief Summary of the Invention
  - g.  Brief Description of the Drawings (*if filed*)
  - h.  Detailed Description
  - i.  Claim(s) as Classified Below
  - j.  Abstract of the Disclosure

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**Application Elements (Continued)**

3.  Drawing(s) (when necessary as prescribed by 35 USC 113)
  - a.  Formal Number of Sheets \_\_\_\_\_
  - b.  Informal Number of Sheets 2
4.  Oath or Declaration
  - a.  Newly executed (*original or copy*)  Unexecuted
  - b.  Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
  - c.  With Power of Attorney  Without Power of Attorney
  - d.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5.  Incorporation By Reference (*usable if Box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.  CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7.  Application Data Sheet (See 37 CFR 1.76)
8.  Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9.  Assignment Papers (*cover sheet & document(s)*)
10.  37 CFR 3.73(B) Statement (*when there is an assignee*)
11.  English Translation Document (*if applicable*)
12.  Information Disclosure Statement/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
15.  Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
16.  Certificate of Mailing  
 First Class  Express Mail (*Specify Label No.*): EV 193 614 911 US

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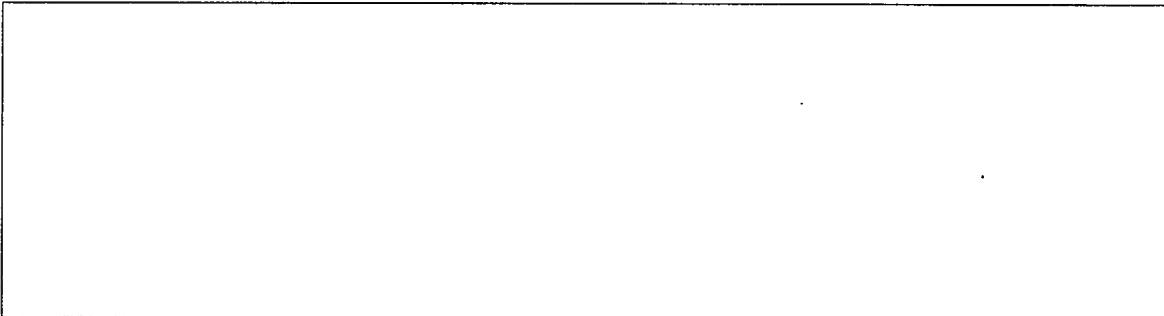
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**Accompanying Application Parts (Continued)**

17.  Additional Enclosures (please identify below):



**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

18.  Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

***Warning***

*An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.*

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**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	55	- 20 =	35	x \$18.00	\$630.00
Indep. Claims	4	- 3 =	1	x \$84.00	\$84.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				<b>BASIC FEE</b>	<b>\$750.00</b>
OTHER FEE (specify purpose)					\$0.00
				<b>TOTAL FILING FEE</b>	<b>\$1,464.00</b>

A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge and credit Deposit Account No. **05-1712** as described below. A duplicate copy of this sheet is enclosed.

Charge the amount of **\$1,464.00** as filing fee.

Credit any overpayment.

Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

*SDP*

*Signature*

Dated:

*June 25, 2003*

Stephen D. Prodnuk  
Reg No. 43,020



23455

PATENT TRADEMARK OFFICE

CC:

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

06/25/03

FEE TRANSMITTAL  
for FY 2002

Patent fees are subject to annual revision.

Total Amount of Payment **\$1504.00**

## Complete if Known

Application Number	AWAITED
Filing Date	JUNE 25, 2003
Inventor(s)	Zhong Y. Ding, et al
Examiner Name	AWAITED
Group Art Unit	AWAITED
Attorney Docket Number	2003B064

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:  
Deposit Account Number: **05-1712**  
Deposit Account Name: **ExxonMobil Chemical Patents Inc.**

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
 Applicant claims small entity status See 37 CFR 1.27

2.  Payment Enclosed:  
 Check  Credit Card  Money Order  Other

## FEE CALCULATION (continued)

FEE CALCULATION		
1. BASIC FILING FEE		
Large Entity	Fee Code	Fee \$
	101	740
	106	330
	107	510
	108	740
	114	160
	<b>SUBTOTAL (1)</b>	
		<b>\$750.00</b>

2. EXTRA CLAIM FEES		
	Extra	Fee from below
Total Claims	<u>55</u> - <u>20</u> ** = <u>12</u>	<u>x</u> <u>18</u> = <b>\$630.00</b>
Independent Claims	<u>4</u> - <u>3</u> ** = <u>1</u>	<u>x</u> <u>84</u> = <b>\$ 84.00</b>
Multiple Dependent Claim		<u>280</u> = <b>00</b>

Large Entity Fee		
Code	Fee \$	Fee Description
103	18	Claims in excess of 20
102	84	Independent claims in excess of 3
104	280	Multiple dependent claim
109	84	**Reissue independent claims over original patent
110	18	**Reissue claims in excess of 20 and over original patent
	<b>SUBTOTAL (2)</b>	
		<b>\$714.00</b>

\*\* or number previously paid, if greater; For Reissues, see above.

## 3. ADDITIONAL FEES

Fee Code	Large Entity Fee	Fee Description	Fee PAID
105	130	Surcharge - late filing fee or oath or declaration	
127	50	Surcharge - late provisional filing or cover sheet	
139	130	Non-English specification	
147	2520	Request for ex parte reexamination	
112	920*	Req. publication of SIR prior to Examiner action	
113	1840*	Req. publication of SIR after Examiner action	
115	110	Extension for reply within first month	
116	400	Extension for reply within second month	
117	920	Extension for reply within third month	
118	1440	Extension for reply within fourth month	
128	1960	Extension for reply within fifth month	
119	320	Notice of appeal	
120	320	Filing a brief in support of an appeal	
121	280	Request for oral hearing	
138	1510	Petition to institute a public use proceeding	
140	110	Petition to revive - unavoidable	
141	1280	Petition to revive - unintentional	
142	1280	Utility issue fee (or reissue)	
143	460	Design issue fee	
144	620	Plant issue fee	
122	130	Petition to the Commissioner	
123	50	Petitions related to provisional applications	
126	180	Submission of Information Disclosure Stmt.	
581	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	Request for Continued Examination (RCE)	
169	900	Request for expedited examination of a design application	
	Other Fee (specify)		-
	Other Fee (specify)		

\*Reduced by basic filing fee paid

**SUBTOTAL (3)**

\$40.00

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Stephen D. Prodruk	Registration No. (Attorney/Agent)	43,020	Telephone:	281/834-2671
Signature	<i>SD</i>			Date	6/25/03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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